Tianyao Chen

Mobile (Android & iOS) Engineer · Pythonista · ML Enthusiast

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🎓 Education

Jacobs University Bremen, Bremen, Germany   2018/08 – 2021/06
B.S. Computer Science

- Featured courses: ML, Algorithms & Data Structures, C & C++, OS, DB, Software Engineering.

👥 Experience

TeamViewer, Göppingen, Germany   2020/10 – 2021/01
Software Engineer Intern

Twenty Billion Neurons, Berlin, Germany   2020/06 – 2020/09
Software Engineer Intern

- Delivered six significant features to the AI fitness app Fitness Ally by working primarily in the R&D Python team and voluntarily in the iOS team with 10k+ SLOC.
- Built a Python CLI changelog generator inspired by GitLab, which resolved the changelog conflict issue.
- Fixed the broken XCTest system in Xcode, which enabled the unit tests to run again.
- Leveraged knowledge: Python, Swift, Objective-C, iOS SDK, Bash, Git, Linux, Firebase.

Jacobs University Bremen, Bremen, Germany   2019/09 – 2020/05
Teaching Assistant

- Graded homework and gave tutorials for: Algorithms & Data Structures, Intro to CS, and Data Management.
- Leveraged knowledge: Java, C++, Python, C, Haskell, MySQL, GCP.

TD Tech, Beijing, China   2019/06 – 2019/08
Software Engineer Intern

- Delivered three significant features to two enterprise Android apps with 8k+ SLOC.
- Built a CLI that automated the update of Android custom ROM, which reduced the time by at least 67%.
- Leveraged knowledge: Android Development (Java), Python, Batch, Git, SQLite, Linux.

⚙ Projects

- **Personal Website:** `https://tillchen.com` - for additional information, projects, and tech blog.
- **JStore: Marketplace for Jacobs University Bremen - Native Android & iOS Apps**
  - 7k+ SLOC. 1k+ users. Available on Google Play & App Store. GitHub repos: Android & iOS.
  - Utilized: Java, Swift, Android SDK, iOS SDK, Firebase (Auth, Cloud Firestore, Storage).
- **4minitz - Meeting Minutes Web App**
  - Deployed, modified, and maintained the open source web app 4minitz on a Debian server.
  - Utilized: Docker, Nginx, Certbot, cron (auto certificate renewal), JSON, Linux, Vim, SMTP.

ℹ Skills

- **Python, Java, Swift, C++, Kotlin, Dart, C, Android SDK, iOS SDK, Flutter, Git, SQL, Bash, Firebase;** Go, JavaScript, Django, Spring, HTML/CSS, GCP, Docker, Haskell.
- Chinese (Mandarin) - Native Speaker; English - Proficient; German - A2, Learning.